

IN THE CLAIMS:

Please amend the claims in the above-identified patent application as follows wherein deleted material is marked with a ~~striketrough~~ and new material is underlined to show the changes made:

1                    1. (Currently amended)      A camera subassembly, said camera  
2      subassembly comprising ~~which includes:~~  
3                    a housing having a first opening through which light can enter into the housing,  
4                    and a second opposing opening;  
5                    a substrate, said substrate closing said second opening;  
6                    a window which closes the first opening, the housing and the window being  
7                    formed so that, when the housing is mounted to the a substrate so that the  
8                    substrate closes the second opening, the housing, ~~the first lens~~, and the  
9                    substrate form an enclosure which is substantially sealed against ingress of  
10                    contaminants;  
11                    a first lens located within the enclosure;  
12                    at least a first member which mounts the first lens to the housing so that the first  
13                    lens is moveable relative to the housing backward and forward in a direction  
14                    in which light passes from the first opening through the housing to the second  
15                    opening; and  
16                    an electrically controlled movement importing apparatus, at least partially secured  
17                    to the housing and at least partially secured to the lens, which, when operated,  
18                    causes backward and forward movement of the lens in the direction in which  
19                    light passes through the housing.

1                    2. (Currently amended)    The A camera subassembly as claimed in  
2    claim 1 wherein the position of the first and second openings relative to one another  
3    cannot be changed.

1                    3. (Currently amended)    The A camera subassembly as claimed in  
2    claim 1 wherein the window comprises is a refractory lens.

1                    4. (Currently amended)    The A camera subassembly as claimed in  
2    claim 1 wherein said substrate comprises which includes:  
3                    a printed circuit substrate to which the housing is mounted so that the printed  
4                    circuit substrate closes the second opening such that ~~and the first lens~~, the  
5                    housing, the window and the printed circuit substrate forming an enclosure  
6                    which is substantially sealed against the ingress of contaminants; and  
7                    an imager mounted within the enclosure to the printed circuit substrate in a  
8                    position so that light is focused on the imager after passing through the  
9                    window and the lens.

1                    5. (Currently amended)    The A camera subassembly as claimed in  
2 claim 4 ~~which includes~~ further comprising:  
3                    a connector on the printed circuit substrate at a location external to ~~externally of~~  
4                    the enclosure, the connector being within electrical communication with the  
5                    imager. .

1                    6. (Currently amended)    The A camera subassembly as claimed in  
2 claim 5 wherein the connector has terminals through which at least power and control  
3 signals can be supplied to and image data can be communicated with the imager.

*Amended*

1                    7. (Currently amended)    The A camera subassembly as claimed in  
2 claim 4 wherein the imager comprises is a light detector array.

1                    8. (Currently amended)    The A camera subassembly as claimed in  
2 claim 1 wherein the first member comprises is an elongated ~~elongate~~ member having a  
3 first end connected to the housing and a second end connected to the lens.

1                    9. (Currently amended)    The A camera subassembly as claimed in  
2 claim 8 wherein the elongated ~~elongate~~ member coils around an axis which extends in the  
3 direction in which light passes through the housing.

1                    10. (**Currently amended**)    The A camera subassembly as claimed in  
2    claim 9 wherein the elongated ~~elongate~~ member coils around an axis of revolution of the  
3    lens.

1                    11. (**Currently amended**)    The A camera subassembly as claimed in  
2    claim 8 ~~which includes~~ further comprising:  
3                    at least a second elongated ~~elongate~~ member, said second elongated member  
4                    having a first end connected to the housing and; a second end connected to the  
5    lens.

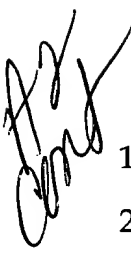
*As cont*

1                    12. (**Currently amended**)    The A camera subassembly as claimed in  
2    claim 11 wherein the first and second elongated ~~elongate~~ members each coils around an  
3    axis which extends in the direction in which light passes through the housing.

1                    13. (**Currently amended**)    The A camera subassembly as claimed in  
2    claim 12 wherein the first elongated ~~elongate~~ member coils in a first plane and; the  
3    second elongated ~~elongate~~ member coils together with the first elongated ~~elongate~~  
4    member in substantially the first plane.

1                   14. (**Currently amended**)   The A camera subassembly as claimed in  
2   claim 11 wherein, when viewed in the direction in which light travels through the  
3   housing, the first ends of respectively the first and second elongated ~~elongate~~ members  
4   are connected to the housing on opposing sides of the lens.

1                   15. (**Currently amended**)   The A camera subassembly as claimed in  
2   claim 14 wherein, when viewed in the direction in which light travels through the  
3   housing, the second ends of respectively the first and second elongated ~~elongate~~ members  
4   are connected to the housing on opposing sides of the lens.

 1                   16. (**Currently amended**)   The A camera subassembly as claimed in  
2   claim 12 ~~which includes~~ comprising:  
3       a third elongated ~~elongate~~ member, said third elongated member having  
4       comprising  
5               a first end connected to the housing, and spaced from the first end of the  
6               first elongated ~~elongate~~ member in the direction in which light travels  
7               through the housing, and  
8               a second end, connected to the lens and spaced from the second end of the  
9               first elongated ~~elongate~~ member in the direction in which light travels  
10              through the housing,  
11   wherein the third elongated ~~elongate~~ member coils around an axis which extends in the  
12   direction in which light travels through the housing.


1                    17. (Currently amended)    The A camera subassembly as claimed in  
2    claim 16 ~~which includes~~ further comprising:  
3                    at least one stiffener element which is connected between the first elongated  
4                    ~~elongate~~ member and the third elongated ~~elongate~~ member.

1                    18. (Currently amended)    The A camera subassembly as claimed in  
2    claim 16 ~~which includes~~ comprising:  
3                    a fourth elongated ~~elongate~~ member, said fourth elongated member having  
4                    comprising  
5                    a first end connected to the housing, and spaced from the first end of the  
6                    second elongated ~~elongate~~ member in the direction in which light  
7                    travels through the housing, and  
8                    a second end, connected to the ~~second~~ lens and spaced from the second  
9                    end of the second elongated ~~elongate~~ member in the direction in which  
10                    light travels through the housing,  
11    wherein the fourth elongated ~~elongate~~ member coils around an axis which extends in the  
12    direction in which light travels through the housing.

1                    19. (Currently amended)    The A camera subassembly as claimed in  
2    claim 11 wherein the first end of the second elongated ~~elongate~~ member is spaced from  
3    the first end of the second elongated ~~elongate~~ member in the direction in which light  
4    passes through the housing, and the second end of the first elongated ~~elongate~~ member is

5 spaced from the second end of the second elongated ~~elongate~~ member in the direction in  
6 which light passes through the housing.


1                   20. (Currently amended)   The A camera subassembly as claimed in  
2 claim 1 ~~which includes~~ comprising:  
3                   a mounting structure within the enclosure,  
4 wherein the first member is mounted to the mounting structure and the lens is mounted to  
5 the mounting structure, so that the lens is connected to the first member via the mounting  
6 structure.

 1                   21. (Currently amended)   The A camera subassembly as claimed in  
2 claim 20 ~~which includes~~ comprising:  
3                   at least an additional lens mounted to the mounting structure, the lenses being  
4                   moveable together with the mounting structure relative to the housing..

1                   22. (Currently amended)   The A camera subassembly as claimed in  
2 claim 21 wherein all the lenses through which the light passes between the first and  
3 second opening are mounted to the mounting structure.

1                   23. (**Currently amended**)   The A camera subassembly as claimed in  
2 claim 21 wherein only some of the lenses through which the light passes between ~~one~~ the  
3 first and second opening are mounted to the mounting structure.

1                   24. (**Currently amended**)   The A camera subassembly as claimed in  
2 claim 1 wherein the electrically controlled movement imparting apparatus comprises  
3 ~~includes at least~~ a first electrical coil which, ~~when energized,~~ causes movement of the  
4 lens relative to the housing when energized.

 1                   25. (**Currently amended**)   The A camera subassembly as claimed in  
2 claim 24 wherein the first electrical coil is located within the enclosure.

1                   26. (**Currently amended**)   The A camera subassembly as claimed in  
2 claim 25 wherein the first electrical coil is connected to the lens.

1                   27. (**Currently amended**)   The A camera subassembly as claimed in  
2 claim 25 wherein the first member is at least partially conductive and the first electrical  
3 coil is electrically accessed through the first member.



1                   28. (Currently amended)   The A camera subassembly as claimed in  
2   claim 26 wherein movement imparting apparatus includes a permanent magnet; mounted  
3   to the housing, which cooperates with the first electric coil to cause movement of the first  
4   electric coil relative to the permanent magnet when the first electrical coil is energized.

1                   29. (Currently amended)   A camera subassembly, said camera  
2   subassembly comprising:  
3               a housing;  
4               a lens located with the housing; and  
5               at least a first elongated member having a first end secured to the housing and a  
6               second end secured to the lens so as to mount the lens to the housing, and an  
7               elongated ~~elongate~~ section between the first and second ends to allow for  
8               backwards and forward movement of the lens relative to the housing in a  
9               direction of an axis of revolution of the lens.  
10   wherein the first elongated member has a thickness in a direction of the axis of  
11   revolution, and a width in a direction transverse to the axis of revolution, the width being  
12   more than the thickness

1                   30. (Currently amended)   The A camera subassembly as claimed in  
2   claim 29 wherein at least the first member allows for movement of the lens in the  
3   direction of the axis ~~axes~~ of revolution only.

1 31. (Cancelled)

1 32. (Currently amended) The A camera subassembly as claimed in  
2 claim ~~30~~ 29 wherein the first elongated ~~elongate~~ member coils around the axis of  
3 revolution.

1 33. (Currently amended) The A camera subassembly as claimed in  
2 claim 31 wherein the first elongated ~~elongate~~ member coils around the axis of revolution.

1 34. (Currently amended) The A camera subassembly as claimed in  
2 claim 29 ~~which includes~~ further comprising:  
3 a second elongated ~~elongate~~ member, said second elongated member having  
4 comprising  
5 a first end connected to the housing; and  
6 a second end connected to the lens,  
7 wherein the first ends of the first and second elongated ~~elongate~~ member are spaced from  
8 one another in a direction in which the axis of revolution extends, and the second ends of  
9 the first and second elongated ~~elongate~~ member are spaced from one another in a  
10 direction in which the axis of revolution extends.

1                    35. (Currently amended)    A method of assembling a camera  
2 subassembly, said method comprising:  
3                    mounting a lens within an enclosure using a flexible member which allows for  
4                    backwards and forward movement of the lens relative to the housing, said  
5                    housing having a first and a second opening;  
6                    mounting a window to the first opening of the housing; and  
7                    mounting a housing to a printed-circuit substrate to the second opening of so that  
8                    the housing, the ~~printed-circuit~~ substrate and a window jointly define an  
9                    enclosure which is substantially sealed against ingress of contamination; ~~and~~  
10                    ~~a second~~  
11 *AP* wherein movement of the lens is mounted within the enclosure is controllable with an  
12 *Am* externally applied electrical signal by a flexible member which allows for backwards and  
13 forward movement of the second lens relative to the housing.

1                    36. (Currently amended)    A method of assembling a camera  
2 subassembly, said method comprising:  
3                    closing an opening into a housing with a window;  
4                    locating a lens within the housing; and  
5                    interconnecting the lens with the housing by at least a first flexible member  
6                    which, due to its flexibility, allows for backward and forward movement of  
7                    the second lens relative to the housing along a direction in which light travels  
8                    through the housing;  
9                    wherein the flexible member coils around an axis which extends in the direction in which  
10 light passes through the housing lens.

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